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1   Automated tools to implement and test Internet systems in reconfigurable hardware   **Ad**

John W. Lockwood, Chris Neely, Chris Zuver, Dave Lim
July 2003 ACM SIGCOMM Computer Communication Review,   Volume 33 Issue 3
Publisher: ACM
Full text available: 📄 pdf(1.01 MB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 42,   Citation Count: 0

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Tools have been developed to automatically integrate and test networking systems in
reconfigurable hardware. These tools dynamically generate circuits for Field
Programmable Gate Arrays (FPGAs). A library of hardware-accelerated modules has been
developed ...

Keywords: Field Programmable Gate Array (FPGA), Internet, firewall, network intrusion
detection and prevention, networks, reconfigurable hardware, tools

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2   System support for pervasive applications

Robert Grimm, Janet Davis, Eric Lemar, Adam Macbeth, Steven Swanson, Thomas
Anderson, Brian Bershad, Gaetano Borriello, Steven Gribble, David Wetherall
November 2004 ACM Transactions on Computer Systems (TOCS),   Volume 22 Issue 4
Publisher: ACM
Full text available: 📄 pdf(1.82 MB)   Additional Information: full citation, abstract, references, cited by, index
terms

Bibliometrics: Downloads (6 Weeks): 28,   Downloads (12 Months): 350,   Citation Count: 5

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Pervasive computing provides an attractive vision for the future of computing.
Computational power will be available everywhere. Mobile and stationary devices will
dynamically connect and coordinate to seamlessly help people in accomplishing their
tasks. ...

Keywords: Asynchronous events, checkpointing, discovery, logic/operation pattern,
migration, one.world, pervasive computing, structured I/O, tuples, ubiquitous computing

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3   CUSP: a modular framework for high speed network applications on FPGAs

Graham Schelle, Dirk Grunwald
February 2005 FPGA '05: Proceedings of the 2005 ACM/SIGDA 13th international
symposium on Field-programmable gate arrays

Publisher: ACM

Full text available: pdf(547.03 KB)　　Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 5,　Downloads (12 Months): 81,　Citation Count: 1

For several years now, modern FPGAs have included onchip network related hard cores. These cores include Xilinx's RocketIO and Altera's RapidIO serial transceivers. However, to use these cores in a complete networking application may be a daunting task ...

Keywords: networking, parallelism, reconfigurable hardware, speculation

4　Certificate-based authorization policy in a PKI environment

Mary R. Thompson, Abdelilah Essiari, Srilekha Mudumbai
November 2003 ACM Transactions on Information and System Security (TISSEC), Volume 6 Issue 4

Publisher: ACM

Full text available: pdf(233.63 KB)　　Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 23,　Downloads (12 Months): 281,　Citation Count: 7

The major emphasis of public key infrastructure has been to provide a cryptographically secure means of authenticating identities. However, procedures for authorizing the holders of these identities to perform specific actions still need additional research ...

Keywords: Public key infrastructure, XML, digital certificates

5　A taxonomy of Data Grids for distributed data sharing, management, and processing

Srikumar Venugopal, Rajkumar Buyya, Kotagiri Ramamohanarao
June 2006 ACM Computing Surveys (CSUR),　Volume 38 Issue 1
Publisher: ACM

Full text available: pdf(1.70 MB)　　Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 98,　Downloads (12 Months): 2003,　Citation Count: 3

Data Grids have been adopted as the next generation platform by many scientific communities that need to share, access, transport, process, and manage large data collections distributed worldwide. They combine high-end computing technologies with high-performance ...

Keywords: Grid computing, data-intensive applications, replica management, virtual organizations

6　AppleScript

William R. Cook
June 2007 HOPL III: Proceedings of the third ACM SIGPLAN conference on History of programming languages
Publisher: ACM

Full text available: pdf(621.56 KB)　　Additional Information: full citation, appendices and supplements, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 42,　Downloads (12 Months): 374,　Citation Count: 0

AppleScript is a scripting language and environment for the Mac OS. Originally conceived in 1989, AppleScript allows end users to *automate* complex tasks and *customize* Mac OS applications. To automate tasks, AppleScript provides standard ...

Keywords: AppleScript, history, scripting

7 Proxy-based acceleration of dynamically generated content on the world wide web:
   An approach and implementation
   Anindya Datta, Kaushik Dutta, Helen Thomas, Debra Vandermeer, Krithi Ramamritham
   June 2004 ACM Transactions on Database Systems (TODS), Volume 29 Issue 2
   Publisher: ACM

   Full text available: pdf(927.23 KB)   Additional Information: full citation, appendices and supplements,
                                                                   abstract, references, index terms

   Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 241, Citation Count: 1

   As Internet traffic continues to grow and websites become increasingly complex,
   performance and scalability are major issues for websites. Websites are increasingly
   relying on dynamic content generation applications to provide website visitors with
   dynamic, ...

   Keywords: Edge caching, caching dynamically generated content, fragment caching,
   implementation, proxy caching, world wide web

8 A cross-language framework for developing AJAX applications
   Arno Puder
   September 2007 PPPJ '07: Proceedings of the 5th international symposium on Principles and
                       practice of programming in Java
   Publisher: ACM
   Full text available: pdf(608.40 KB)   Additional Information: full citation, abstract, references, index terms

   Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 181, Citation Count: 0

   AJAX (Asynchronous JavaScript And XML) applications have received wide-spread
   attention as a new way to develop highly interactive web applications. Breaking with the
   complete-page-reload paradigm of traditional web applications, AJAX applications rival ...

   Keywords: AJAX, cross-compiler, web applications

9 ObjectGlobe: Ubiquitous query processing on the Internet
   R. Braumandl, M. Keidl, A. Kemper, D. Kossmann, A. Kreutz, S. Seltzsam, K. Stocker
   August 2001 The VLDB Journal — The International Journal on Very Large Data
                Bases, Volume 10 Issue 1
   Publisher: Springer-Verlag New York, Inc.

   Full text available: pdf(251.44 KB)   Additional Information: full citation, abstract, references, cited by, index
                                                                   terms

   Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 55, Citation Count: 15

   We present the design of ObjectGlobe, a distributed and open query processor for
   Internet data sources. Today, data is published on the Internet via Web servers which
   have, if at all, very localized query processing capabilities. The goal of the ObjectGlobe ...

   Keywords: Cycle-, function- and data provider, Distributed query processing, Open
   systems, Privacy, Quality of service, Query optimization, Security

10 An open-source CVE for programming education: a case study
    Andrew M. Phelps, Christopher A. Egert, Kevin J. Bierre, David M. Parks

July 2005 SIGGRAPH '05: ACM SIGGRAPH 2005 Courses
Publisher: ACM
    Full text available: pdf(7.92 MB)   Additional Information: full citation, references
    Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 571,   Citation Count: 0

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